Astronomy Ranking Task: Apparent and Absolute Magnitude

Exercise #2

Description: The figure below shows five stars (A - E) as they appear in the night sky from Earth. A darker shading is used to indicate the appearance of a dimmer star. Note that star B is shown the darkest, followed by D, C, E, and A.



A. Ranking Instructions: Rank t in the night sky.	the brightn	ess (from g	reatest to le	ast) of each	star as it appears
Ranking Order: Greatest 1	2	3	4	5	Least
Or, the brightness of each star wou	ld appear t	the same	(indi	cate with c	heck mark).
Carefully explain your reasoning	for ranking	g this way:			
B. Ranking Instructions: Rank t apparent magnitude.	he numerio	cal value (fr	om greates	t to least) fo	or each star's
Ranking Order: Greatest 1	2	3	4	5	Least
Or, the apparent magnitude numbe check mark).	r would be	the same fo	or each star	(i	ndicate with
Carefully explain your reasoning	for ranking	g this way:			

C. Ranking Inst	ructions:	Rai	nk the distance	e (from gre	eatest to lea	st) of each	star from Earth.
Ranking Order:	Greatest	1_	2	3	4	5	Least
Or, the distance ficheck mark).	om Earth	can	not be determi	ned from	this informa	ation.	(indicate with
Carefully explain	ı your rea	soni	ng for ranking	this way:			